AMENDMENTS TO THE CLAIMS

Claims 1-7 (Withdrawn)

8. (Currently Amended) A ~~non-human~~ transgenic ~~animal~~ mouse whose genome comprises a homozygous disruption in a nucleic acid sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, wherein the disruption comprises disruption of the nucleotide sequence set forth in SEQ ID NO: 1, and wherein said transgenic mouse exhibits, relative to a wild-type mouse, a phenotype selected from the group consisting of increased response latency during a hot plate test and increased time in the central region during an open field test ~~a disruption in a platelet-activating factor receptor gene~~.

Claim 9 (Canceled)

10. (Currently Amended) A method of producing a transgenic mouse whose genome comprises a disruption in a nucleic acid sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, wherein the disruption comprises disruption of the nucleotide sequence set forth in SEQ ID NO: 1~~,comprising a disruption in a platelet-activating factor receptor gene~~, the method comprising:

    i) introducing ~~the~~ a ~~targeting~~ construct that targets the nucleotide sequence set forth in SEQ ID NO: 1 ~~of claim 1~~ into an embryonic stem cell;

    ii) introducing the embryonic stem cell into a blastocyst;

    iii) implanting the resulting blastocyst into a pseudopregnant mouse, wherein said pseudopregnant mouse gives birth to a chimeric mouse; and

    iv) breeding the chimeric mouse to produce the transgenic mouse.

Claims 11-16 (Withdrawn)

17. (New) The transgenic mouse of claim 8, wherein the increased latency to respond during a hot plate test comprises an increased amount of time before the mouse licks or fans its hindpaw.

18. (New) The transgenic mouse of claim 8, wherein the increased latency to respond during a hot plate test is characteristic of a higher pain threshold in the mouse.

19. (New) The transgenic mouse of claim 8, wherein the increased time in the central region during an open field test is characteristic of decreased anxiety in the mouse.